

### **Abstract**

The subject invention relates to methods for detection of mutations in a PKD gene using DHPLC. The invention includes the following aspects: identification of PKD unique sites; design of PKD-specific primers; amplification of PKD-specific products; and analysis of PCR  
5 amplified products by DHPLC. The invention further relates to compositions such as identified unique sites and PKD-specific primers, and kits for performing the methods of the invention.